

## Public forum on language competence

The University of Alberta and Alberta Education are sponsoring a public forum on Tuesday, 9 May. "Language Competence: A Community Perspective" will address the shared concern that education make young people thoughtful and articulate.

A presentation will be made by a panel consisting of: Nora Abercrombie, *Edmonton Bulletin* editor; Olive Elliott, education columnist for the *Edmonton Journal*; Pat Hogan and Tony Kernahan, both of the U of A; and Howard Pechet, Edmonton businessman. The audience will then be invited to participate in the discussion.

The forum will take place from 7:30 to 9:30 pm in the Centennial Library Theatre, #7 Sir Winston Churchill Square. For more information, telephone 427-2948 or 492-0322. □

# FOLIO

University of Alberta

4 May 1989

## Effective Writing Resources to replace Testing and Remediation Unit

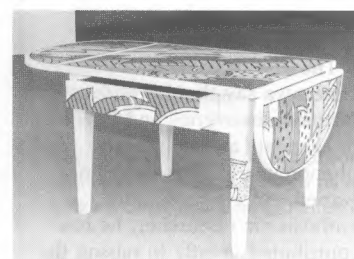
Peter Meekison, Vice-President (Academic), announces that as a result of the resolutions passed by General Faculties Council with respect to the Writing Competence Test and writing competence in general at this University, a new unit will be available to provide

diagnostic and educational programs for students and faculty.

The Testing and Remediation Unit was disbanded on 1 May. A new unit, which will be referred to as Effective Writing Resources, will be established with expanded functions. Lorna McCallum will be

the director of this unit. The unit will operate on a cost recovery basis and will provide a variety of diagnostic and educational functions. It will operate out of 302B SUB. During the first year, the unit will be required to develop new programs and to develop a clientele. It will take some time to determine and make operational a wide spectrum of services, Dr Meekison says. To that end, he invites suggestions from Deans and Department Chairs.

"In order to encourage writing competence in our students the entire University community must be involved," Dr Meekison states. "No single department or unit can take on this task. I am asking you to support the efforts of this unit and not only to refer students who might benefit from courses or consultations but also to use the unit to meet special needs which your faculty or department might have." □



Cindy Kohtala, Industrial Design student, enjoys herself at the 4th Annual IDEAS Exhibition at FAB Gallery. Her design was awarded first prize in the western region and fourth prize in the nationals. Above: the catbird seat and the Swiss army knife of tables. The exhibition continues until 7 May.

## INSIDE

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- Roger Vick: horticulturalist par excellence
- Alison White's influence on children's literature

## University awarded 131 STEP positions

STEP (Summer Temporary Employment Program) positions have been allocated to University of Alberta Faculties and departments. Notices of application approval or denial were mailed recently.

This year the provincial government gave the University 131 STEP positions. That's 10 more than last year. The government will provide about \$530,000 for the University's 1989 STEP Program. Last year \$490,000 was provided for University STEP positions.

More than 400 STEP applications were received for 131 positions. Since STEP is an employment program primarily for students,

positions were allocated to Faculties according to full-time student enrollment. STEP positions were awarded to support departments on the basis of the quality of application content and the job experience indicated by the project.

The Faculties of Arts, Science, Education and Engineering received the most STEP positions, garnering 68 of the 131 positions. The remaining 63 positions are split between 16 Faculties and 14 support departments.

STEP is designed to provide career experience to students and it would seem there is no better place than the University to gain

career-related training. That's why so many STEP projects here are funded by the government every year. STEP job titles here vary from field workers to computer assistants and STEP projects include curriculum design, map making, art framing, and cataloguing archeological material.

STEP employees are paid \$5.50 an hour by the provincial government but employers are encouraged to top up this rate. The STEP program lasts from 1 May to 31 August.

If funding was approved for your STEP application, you can get help in recruiting your STEP employee from Career and Placement Services in the Students' Union Building. Once you give them a Job Bank Form, they will refer qualified applicants to you for consideration. □

## Trees the points of interest on this tour

Have you ever wondered what species are growing in your backyard? Are your trees native to Alberta or are they exotic imports?

The Faculty of Agriculture and Forestry, in cooperation with the Alberta Forestry Association and Junior Forest Wardens, will supply answers to these and other questions during a (guided) campus tour of selected tree species.

The guided portion of the 13 May walking tour (held in conjunction with National Forest Week) will depart from the Faculty Club parking lot every hour beginning at 1 pm. Tree information brochures will be distributed.

For more information, or to register for a tour, call the Alberta Forestry Association at 428-7582. □

## Umezawa joins ranks of Royal Society of Canada

Hiroomi Umezawa, Killam Professor of Science, has been elected a Fellow of the Royal Society of Canada for his lasting contributions to physics over more than four decades. He will be presented to the President of the Society on 4 June at the Society's annual meeting at Université Laval.

Professor Umezawa was a pioneer in the post-war development of Quantum Field Theory, a mathematical tool that has proved remarkably successful in dealing with numerous diverse problems in rather broad areas of physics. The technique has been used extensively in the understanding of microscopic aspects like quarks and gluons, in the elucidation of the diverse phenomena in a collection of large number of particles like superconductivity, superfluidity, etc, and finally, to develop a proper appreciation of quantum cosmology.

Professor Umezawa's work on Quantum Field Theory led to a classic book on this topic that he completed at the age of 28. In association with Y Takahashi, also of the University of Alberta, he developed Finite Temperature Quantum Field Theory in the early 1970s. Applications of this new technique (Thermo Field Dynamics)

to condensed matter, elementary particle physics and to cosmology have not been explored in detail as yet.

Under Professor Umezawa's direction, a large group of researchers are attempting to comprehend the full breadth of the technique at high temperature. Scientists from around the world visit the U of A to get an opportunity to talk to Professor Umezawa about new and different applications of Thermo Field Dynamics and to seek his advice about new directions to pursue. Application of the technique to non-equilibrium phenomenon has been carried out by Professor Umezawa and his associates.

Those who work with Professor Umezawa say that his enthusiasm for new discoveries and new ideas to elucidate and appreciate phenomena in physics has not waned. An energetic and enthusiastic researcher, he has contributed greatly to raising the stature of the University of Alberta in the eyes of the international community.

Hiroomi Umezawa has published more than 300 papers and is the author of seven books. He is a Fellow of the American Physical Society and a Fellow of the New York Academy of Science. □

## FOLIO

Volume Twenty-six  
Number Thirty-nine

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Public Affairs produces *Folio*  
on a regular basis for the  
staff and other interested  
persons.



University  
of  
Alberta

### Deadlines:

**Notice of coming events:** 9 a.m. three weeks in advance of desired publication date.

**Classified advertisements:** 3 p.m. one week in advance of desired publication date. This date also serves as the deadline for cancellation of advertisements. Advertisements cost 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission. **Display advertisements:** 3 p.m. one week in advance of desired publication date. Contact Public Affairs for sizes, rates and other particulars.

The editor reserves the right to select, edit and position submitted copy. Views expressed in *Folio* do not necessarily reflect University policy.

*Folio* contents may be reprinted with acknowledgment.

ISSN 0015-5764  
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## No better place for enquiring minds than a Rutherford Award recipient's classroom

*This year's recipients of the Rutherford Award for Excellence in Undergraduate Teaching are: Terry Davis, Franco Pasutto, Josef Takats, and William Taylor. They will be honored at a reception at the Faculty Club on 15 May.*

### Terry Davis

Terry Davis, Faculty of Nursing, remembers the teacher who inspired her in her second year of nursing. "She too was in the mental health, psychiatric area. For the first time, I learned there didn't need to be a taboo on knowledge, it was all right to ask about whatever we thought was important. It was electrifying to be in her classroom. There were no boundaries. She demanded much of us, we all thought we would fail—but we didn't," she recalls. "I felt transformed. I think of her often when I leave a class. I know when I've created those electrifying moments with the students." She says the experience will stay with her.

On the faculty since 1977, Dr Davis tries to help her students appreciate the importance of communication, recognize the importance of the person, develop increased clarity about professional goals, understand there are no taboos on knowledge, and see the difference between indoctrination and education, 'perfection' and striving for excellence. As well, she emphasizes her own commitment to continuing professional development, one way, she says,

### Folio publishing schedule

*Folio's* biweekly production schedule starts next week and will remain in effect until September. Publication dates for the summer are: 18 May; 1, 15 and 29 June; 13 and 27 July; and 10 and 24 August.

The standard deadlines—9 am Thursday preceding publication copy and 'Events' material and 3 pm the same day for display and classified advertisements—will be adhered to. □

for nurses to avoid professional burnout. "Teaching is a very complex activity," she reflects. "I've come to understand that fine teachers become, they aren't born."

At the University and in the hospital, Dr Davis teaches large classes, seminars, and smaller groups on clinical 'rotation' and acts as an adviser. In the classroom, she covers the general concepts of nurse relations with patients and families with complex health problems, while in seminars and clinical groups, she focuses on depression and anxiety disorders, in particular, the suicidal patient. As she's become more skilled, she's learned to set up the climate to empower students to think, to expose them to new ideas. "I've always been willing to critically look at what I'm doing." That includes having the nerve to honestly look at mistakes, having the zest and energy to go beyond. "I invite feedback from students and really consciously strive to use it."

For her, it's essential to really engage the students, have them play with ideas. "The nature of the encounter is important," she comments. "What we create with each other will be replicated in what they create with the patient." In seminars, for example, she helps students focus on the human experience of anxiety, explore their own reactions, develop strategies to overcome them and see what would work for the patients. In the hospital, they follow through. She finds it exhilarating to observe the changes in students as they integrate ideas they've learned in the classroom into patient treatment during the six-week clinical posting.

Adaptable and flexible, she can be an empathic facilitator, a taskmaster or Socratic teacher. When it all clicks, she's delighted. "Where I am the questioner, my greatest joy is when the process gets flipped," she says. She loves teaching and the relationship with the students above all.

In the future, she hopes to expand the integration of her clinical work, research (developing ways nurses can reduce anxieties of patients undergoing cardiac catheterization) and teaching.

To sum up her work, she returns to an earlier thought: "Teaching is a very complex activity. It takes all the passion, intellect and energy you can muster . . . and it's worth it!"

### Franco Pasutto

Associate Professor Franco Pasutto (Pharmacy) teaches two courses each year, one on antimicrobial drugs and the other on vaccines. He also contributes lectures to nine other courses on a regular basis. Clearly his colleagues know a good classroom resource when they see one.

One hallmark of Dr Pasutto's teaching is his insistence that undergraduate students learn to stay abreast of the latest scientific literature. They'll need to educate themselves in a rapidly changing field, and to be able to respond to patients' questions and fears about drug therapies. He wants students to carry forward the attitude that "in an area where you're providing health information . . . you'd better be on the cutting edge of what the literature says."

In addition, Dr Pasutto is known for his strong concern for students, organization and clarity, and high-quality teaching materials. It's not surprising, then, to hear that Dr Pasutto sees good teaching as hard work, not a gift. In his experience, "A good one-hour lecture . . . can take anywhere from four to ten hours to prepare," including the background work that he calls "outside the blinders."

Dr Pasutto does not cite a particular role model or mentor as having shaped his teaching. Instead, he says, "You subconsciously steal bits and pieces from everybody. And sooner or later the tapestry you get—which is me—is a little bit of everybody." However, he has taken advantage of resources such as CITL workshops. "You can always get better, so you have to keep finding the holes and keep plugging them in."

This award is not the first recognition Dr Pasutto has earned in his nine years on faculty. Students twice chose him to receive  
*Continued on page four*

## A new technique for locating oil

**Comparing maps to show up likely oil-rich areas.**

Vast reserves of undetected oil now may be locatable, thanks to a new technique developed by geologists at the University of Alberta.

Until now, oil exploration has relied primarily on geological data to estimate the locations of the thick deposits of sandstone (sand lenses) likely to hold oil deposits. Too often, however, deciding where in a field to drill the next well comes down to an educated guess. And a productive sand lens may lie unrecognized between two wells drilled several miles apart.

The geologists' new technique for locating oil is based on the study of groundwater flow through sedimentary rock.

Graduate students Kevin Parks and Ben Rostron, under the direction of Dr József Tóth, have used a specialized mapping system to demonstrate that the presence of thick sand lenses is accompanied by matching anomalies of groundwater and of oil potentials. Those three things together mean that oil is probably present also.

Parks and his colleagues are confident of the strength of the relationship among these factors. They believe it would be worth while for oil companies to perform drill stem tests on every well they have drilled, and use the data to plot potentiometric maps revealing the likelihood of oil-rich sand deposits.

The technique would be of greatest interest to companies doing development work in well-drilled basins, where much of the mapping data are already accumulated.

In Texas, for instance, new fields accounted for only 11 percent of all oil found in the years 1973-82. The remaining 89 percent came from developed fields.

Says Parks, "That gives an idea of how much oil is still left in the ground in established areas where a technique like this can be applied." Big finds still exist; but more and more, companies will have to turn back to older fields. □

*\*Reprinted from Research Report, published quarterly by the University's Office of Public Affairs.*

# Centre for Frontier Engineering Research prepares to break new ground

Touraj Nasseri, new president of the Centre for Frontier Engineering Research (C-FER), says the non-profit institute is getting ready to break new ground, literally and figuratively.

C-FER was created out of the University of Alberta in 1983 and funded by industry, government and universities to undertake research related to the safe and economical development of Canada's frontier petroleum resources. On 5 May, sod will be turned for C-FER's new \$18 million test facility. The building, in the Edmonton Research and Development Park, will contain a unique laboratory for simulating downhole environmental conditions, reports Dr Nasseri. It will also have a cold chamber to simulate Arctic temperatures (to -60 degrees C) to test materials and structures under realistic loading conditions.

As well, he notes, C-FER is getting ready to enter a new phase in other ways. "We need to broaden our base," Dr Nasseri says, "to build on our strengths . . . to diversify." C-FER will concentrate on oil and gas exploration and production systems in the high Arctic and offshore, materials and fabrication technology, and safety and environmental studies, and will seek to develop "generic technologies" that have wide application across a number of industries.

## Stronger relationship with University

Dr Nasseri anticipates an even stronger, more productive relationship with the University. "Professors have directed research programs for C-FER, most of our employees are graduates of the

University . . . we'll have the first professor spending part of his sabbatical with us soon," he explains. "We want to explore more collaboration . . . the University has immense intellectual resources and C-FER has good connections with industry and understanding of real problems . . . we can play a role in bringing that intellectual power to bear on the real problems of industry."

With engineering degrees from Manchester University and Imperial College, Dr Nasseri worked in engineering design in England and taught in Iran before joining Taylor Woodrow Construction, first in England, then in Calgary. In 1982 he joined Det norske Veritas (Canada) Ltd as manager of offshore activities, then became President and Director of its Centre for Cold Climate Technology Research. His areas of expertise include material technology, structural mechanics, cold climate technology, offshore safety and risk management.

Dr Nasseri believes that, because R&D resources are scarce, research must start with the most urgent, real problems, and that mechanisms for collaboration are important. "Often, real technological problems are of a multidisciplinary nature and of such magnitude, that rarely can a single organization effectively deal with them. C-FER, because of its linkages with industry, government and academia, can play a critical role in managing collaborative R&D programs."

He also maintains that, in general, people need to use technology so the quality of industrial projects is enhanced, meaning safety, economic and environmental issues, in other words, sustainable economic development.

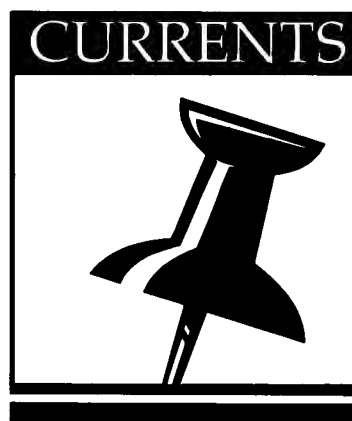
For another, he is very much aware of the many superb teachers who retire without any concrete recognition. He says, "When you think of it that way, it's awfully humbling" to receive the Rutherford.

Touched by the honor, he promises to continue working to live up to it.\*□

*\*Next issue: Josef Takats, William Taylor, and coverage of the awards reception.*

"We don't believe that safety and economic objectives are conflicting," stresses Dr Nasseri. "It's only when you don't have appropriate technology or you're not using technology effectively that you cannot come up with a

solution that is economic without undermining safety. At C-FER, our aim is not just to develop technology but to be a catalyst for the application of technology in real projects."□



## Farewell reception for Robert Armit

Robert Armit, Director of Research Services, is leaving the University of Alberta after serving as director since April 1983. He will be making his residence in Ottawa. A reception in his honor will be hosted by the Vice-President (Research's) Office on Thursday, 15 June, from 3 to 5 pm at University House. All of his friends and colleagues are invited to attend.

Anyone wishing to contribute towards a gift should send a cheque, made payable to "University of Alberta", to: Joyce Tartar, Office of the Vice-President (Research), University Hall, before 9 June.

## Farewell Reception for Brian McQuitty

A reception will be held in honor of Brian McQuitty, who is stepping down from the position of Associate Vice-President (Facilities), at the end of June.

Professor McQuitty has held teaching and administrative positions in the Department of Agricultural Engineering and the Faculty of Agriculture and Forestry since joining the University in 1966 and prior to his term in the Office of the Vice-President (Administration).

The reception will be held on Friday, 23 June, from 3 to 5 pm at University House. Friends and colleagues are invited to attend to bid Brian farewell.

Those wishing to recognize the occasion are asked to show their support for the Agricultural Engineering Graduate Endowment Fund. Cheques should be made payable to the University of Alberta and sent to Peter Taitt, 3-16 University Hall. Tax receipts will be issued for donations of \$15 and over, or upon request, for donations of a lesser amount.

## Education Alumni Association's AGM

The University of Alberta Education Alumni Association will hold its 1989 annual general meeting on Thursday, 1 June, in 4-110c Education North. Starting time is 7:30 pm. The 1989-90 executive will be elected at this meeting.

Please confirm your attendance by 26 May by telephoning Barbara Chaffey at 492-4523.

## Pre-Convocation Breakfast for Nursing . . .

All members of the Faculty of Nursing are invited to attend a Pre-Convocation Breakfast in honor of the graduating class of Nursing '89. The event, sponsored by the Nursing Alumni Association, will take place Tuesday, 13 June, at the Edmonton Petroleum Club, 11110 108 Street, beginning with a reception at 8 am. Tickets are \$10 per person.

Please RSVP by 31 May to: Barbara Chaffey, Office of Alumni Affairs, 430 Athabasca Hall, University of Alberta, 492-4523.

## . . . and Dentistry

All members of the Faculty of Dentistry are invited to attend a complimentary Pre-Convocation Breakfast in honor of the graduating class of Dentistry '89. The event, sponsored by the Dental Alumni Association, will take place Tuesday, 13 June, at the Faculty Club beginning with a reception at 8 am.

Please RSVP by 31 May to: Barbara Chaffey, Office of Alumni Affairs, 430 Athabasca Hall, University of Alberta, 492-4523.

## Maintenance and repair of microtomes and cryostats

The Microscope Repair Division of Technical Services is now offering a maintenance and repair service on microtomes and cryostats. Service is available on either a contractual basis or on time and materials. For more information, contact Elizabeth Vincze, 492-2449.

## Personal development

The Faculty of Extension has several spring workshops dealing with personal growth. For further information or a brochure, please call 492-5069.

## Rutherford Award

*Continued from page three*  
the Squibb Award for Excellence in Pharmaceutical Teaching, in 1985 and 1988.

Still, he had no thought of deserving a Rutherford award, especially at this point in his career. For one thing, he compares himself with his colleagues and finds that to be "pretty heady company. There are a lot of exceptional teachers in this Faculty."



## Profile: Roger Vick, Curator, Devonian Botanic Garden

er Vick stresses that the Devonian is a proper, scientific botanical garden. "We're nothing like a park. We must have the plants correctly identified." As well, while parks arrange plants in mass displays for attractive landscape effects, "I like to think of this almost as a 'plant zoo'. You have as many different types of plants as possible in a small area," he adds. His job is to ensure their name tags are accurate.

Vick searches through books on regional flora and other monographs to verify information or construct "keys" (lists of characteristics for identification and comparison) for plants growing throughout the garden. He also maintains the impressive "herbarium" he started years ago. Its shelves and shelves of files contain dried cuttings, usually leaves, twigs, flowers, sometimes roots, which are mounted on cards and labelled with popular names and technical information for reference, Vick explains. Like a good detective, he hunts through his sources (often donated volumes such as *Flora of Japan*, *Flora of Turkey*) and dissects plant parts under a microscope to clear away confusion on samples which may have been sent incorrectly labelled. With some groups of plants, "I find so many errors in naming, they deserve special attention," he notes. He's focusing on poplars, willows and potentilla. Identifying plants, particularly from remote regions, is at once challenging and satisfying for him, he confides.

He also writes numerous articles for journals, provides information to students, horticulturalists and amateur gardeners, edits and writes for *Kinnikinnik* (the Devonian newsletter) and contributes to public programs and magazines on gardening. In addition, he evaluates the garden worthiness of hardy trees and shrubs and has introduced a hardiness rating system for them. Collecting and organizing facts intrigues him and he's written catalogues of common names and reference indices, as well as *Gardening on the Prairies: A Guide to Canadian Home Gardening*.

The past fascinates him: "I'm very happy digging out obscure horticulture history," he admits. But recently, he's turned to the future, trying to forecast gardening trends, helping people prepare to take advantage of changes.

Born in England, Vick left school at 15 to work in a market garden, then tended the private grounds of a wealthy fertilizer manufacturer's home. After his National Service, during which he became a radio operator, he combined his skills and travelled and worked around the world, "from the Amazon to the Arctic." He emigrated to Canada in 1958 and settled in Peace River, conducting market garden research at Beaver Lodge Research Station. From 1963-65, he completed the first course in horticulture at Olds College and signed on at the Devonian, first as a summer assistant in 1964, then as a full-time technician in 1966.

Although he's involved with



Should Roger Vick tire of poplars, willows are waiting.

international horticulture societies and associations, he's content to stay rooted in Alberta now. Still, his world travels help him visualize locales when he hears about plant problems in other countries, he says.

A pragmatist who likes tackling a job and then moving on to the next challenge, setting the record straight can be more exciting for him than delving into the exotic. Witness his choice for noteworthy herbarium specimen—a poplar,

confirmed as a hybrid rather than the species under which it was labelled in a major collection.

A dedicated horticulturalist ("It's a beautiful career . . . there's no end of specialization . . . you never need to get bored . . . if I get tired of poplars, willows are waiting"), Vick hopes the reference collection and educational garden, intended for professional and amateur plant enthusiasts alike, will encourage others to pursue studies in the field. □



Otto Beitel (left), Margaret Van de Pitte, Associate Dean of Arts, and Earle Waugh form a mutual admiration society. The module, now at 131 Trailer Complex #1, will be moved to the Arts Building.

## Canadian Studies heightens display capabilities

Between the material that will go on the advertising module shown at left and the knowledge of those who "take it on the road," interested persons should be able to get a rather large handle on the University's Canadian Studies program.

Supreme Aluminum Products Inc of Edmonton built the module especially for Canadian Studies after Earle Waugh, Chair, saw samples of the company's work at a trade show and subsequently talked things over with Carolyn Desjardin, executive assistant to president Otto Beitel.

The freestanding, 6'x3' unit will be used extensively at Orientation Days and high school career days events, and at career-oriented displays at shopping centres and libraries, says Susan Jackel, student adviser for Canadian Studies.

Canadian Studies will consider cooperative loaning arrangements with other departments on campus.

The module was paid for by a generous donation by Supreme Aluminum Products Inc and by the University/Community Special Projects Fund and Canadian Studies. □

## Centre for Gerontology schedules symposium

The Centre for Gerontology, in conjunction with the Alberta Long Term Care Association, will hold a spring symposium on long-term care institutional design for the future. The purpose of the symposium (26 May, Bernard Snell Hall, Mackenzie Health Sciences Centre), is to share information and foster cooperation among policy makers, health care professionals, researchers, designers, and elected officials.

Presentations and workshops on policy, institutional design, research issues, and a medical perspective of related long-term care needs are included in the program.

M Powell Lawton, Director of Research for the Philadelphia Geriatric Centre, will open the proceedings with a talk on "Residents' Needs and Optimal Institutional Design". Other speakers include: Perry Dixon (Facility Planning and Evaluation, Alberta Health); Les McKeown, (architect); Peter McCracken, (Geriatric Medicine); Allen Dobbs (Psychology); and R Greer Black (Program Operations, Alberta Health).

For more information or registration forms, contact the Centre for Gerontology, P225 Biological Sciences Building, 492-2076. □

## Clandinin honored by World Poultry Science Association

Donald R Clandinin, Professor Emeritus, Department of Animal Science, was recently elected to the World Poultry Science Association's International Poultry Wall of Fame. This honor recognizes individuals who have made outstanding contributions to the poultry industry at the international level.

Dr Clandinin joined the staff of the University of Alberta in 1938, specializing in poultry nutrition. He retired in 1979.

Dr Clandinin, who has received many prestigious awards for his work, was awarded an honorary DSc degree from this University in 1985. □

## McCalla Professor seeks better understanding of factors which regulate metabolism of protein

It's something he's been planning to do since graduate school, indicates Jim Thompson (Animal Science). "It's exciting because you're not reinventing the wheel. It's new and it's got tremendous implications for agriculture and animals in general."

As a McCalla Professor during 1989-90, Dr Thompson and his research group will work on muscle tissue, in vitro, from chicks, rats and cattle, to understand factors which regulate the metabolism of protein. "All proteins in the body are being continually synthesized and broken down. We want to learn what mechanisms are involved in the breakdown of these proteins." Metabolism is different in birds and mammals, so both will be used to gain a better understanding.

Researchers have identified common factors which stimulate protein breakdown. If they can understand how they work, they can develop ways of minimizing the process, Dr Thompson suggests. However, he adds a caution. "Protein breakdown is essential to life. If you block it completely, it could be devastating to the animal."

The research is important to agriculture since the rate of growth of muscle mass in animals is a balance between synthesis and breakdown of protein. If you can reduce the rate of breakdown, you can increase the efficiency of meat production, Dr Thompson explains.

The significance for animals in general concerns treatment during injury and disease. In all animals, including humans, when they sustain an injury or suffer a disease, an infection, or short-term acute stress (even extreme cold, for example), you see a "dramatic increase in the rate of protein breakdown," Dr Thompson says. "Can we reverse that somehow? Can we minimize the breakdown?" he wonders.

Researchers now know that a common amino acid, glutamine, is important to regulate the breakdown and synthesis of protein. "We found that increases in intracellular concentrations of glutamine within physiological limits will increase the rate of

synthesis and decrease the rate of degradation." In one project, Dr Thompson and his group will attempt to understand how it works while a second project will focus on how skeletal muscles regulate the concentration of glutamine within the cell.

A third set of experiments concerns the effects of ketone bodies on protein metabolism. "We find that during fasting, there's an increase in concentration of ketone bodies and you get an influence on protein metabolism," notes Dr Thompson. The researchers have recently shown that ketone bodies have a direct effect within skeletal muscle and will explore how they reduce protein breakdown.

Finally, they will look at the effects of bacterial endotoxins, complex materials produced during

infection, on the breakdown of protein.

All the projects are under way, but Dr Thompson hesitates to predict a "schedule" for results. "Certainly, in terms of answers, we may not get anything. You never know . . . that's research."

While his term (1984-89) as Associate Dean of Graduate Studies and Research has been "exciting" and he feels he learned a lot, Dr Thompson is looking forward to working "back at the bench," settling down to "dedicated time in the laboratory" again.

With a BSA and an MSA from the University of British Columbia and his PhD from the University of California, Davis, Dr Thompson has been teaching and conducting research at the University of Alberta since 1971. □



### Universiade '83 Scholars

The Board of the Universiade '83 Foundation and the Universiade Scholars gathered recently to celebrate the establishment of the Universiade Scholarships. Jim Hole, Chair of the Universiade '83 Foundation Board, announced that an additional \$100,000 gift will provide scholarships for 1989-90. **Front row**, from left: Barbara Bentley, Keriley Romanufa, Troy O'Donnell, John Cheng, Dara-Lee Geake, Helen Hong. **Second row**, from left: Ted Allan, Art Clough, Margaret Andrekson, Jim Hole, Tevie Miller, Myer Horowitz, Herb McLachlin, Doreen Ryan, Don Sprague. **Standing**, from left: Erskine Williams, Kenneth Farion, Ed Zemrau, Norman Odinga, Max Beretti, Andrew Langvand, Pamela Grobbsen, James MacDonald, Cameron Grant, David Wooldridge, Lawrence Richer, Jonan Alexander, Sean Ferguson, Manmohan Bajwa, Heather McMillan, Lesley Menzies, Thomas Auer.

Photo Services

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## Alison White instrumental in emergence of children's literature here

At the beginning of the 1950s the Faculty of Education asked the Department of English to develop a course in children's literature. The proposal was not, to put it mildly, received with enthusiasm. It seemed outlandish at the time to offer a course in children's literature at the university level. It was not considered academically respectable. But the Faculty of Education would not be deterred. Their students needed to be prepared, and it couldn't be taken for granted that every new teacher would know how to present literary works that were read by children. The members of the Department of English resisted, but eventually the pressure proved too great and they had to agree to develop such a course. There was one proviso. The course, once offered, could not be taken by students in the Faculty of Arts.

Who would give the course? No member of the department volunteered. No one felt competent, and that was certainly true. But there was also a snob factor at work. None of the men (there were no women staff members in the department at the time) felt that it would enhance their careers if they developed such a course. For was it really possible to do "serious" research in such a newfangled field, if indeed it was really a scholarly field at all?

So we had to search for someone who might be able to teach children's literature. It was not easy to find such a person, because our attitude to the subject was widespread, and there were very few specialists in the field. Eventually, we found Alison White, and she joined the department in 1955.

It was immediately apparent that

we had found a true scholar, a person who brought rigorous and exacting intellectual standards to literary analysis. She had received her PhD from the University of Iowa in 1947, and had served as a research assistant to Rene Wellek and Austin Warren, two of the great names in literary criticism at the time. She was also a wonderful human being and she became one of the most loved figures in the department. She retired in 1974, but has remained a friend to all of us who knew her when she first came here, and has become a friend to a whole new generation of staff and students.

Alison White did not only teach students, but she taught her colleagues as well. Very soon after she arrived, we became aware, because of her presence and the practical example she set, that children's literature could be an exciting and intellectually demanding field of study. She showed us how to read (or reread) *Mother Goose*, how children were treated in the old Ballads, how *Pilgrim's Progress* could be read as a fairy tale, and how folklore was related to children's literature and found its way into the most sophisticated literary texts. She thus opened up a whole new world of literary exploration.

When the course she developed had to be sectioned, the old prejudice against children's literature had disappeared and many of Alison White's most distinguished colleagues were ready to teach the course. Students no longer had to be in the Faculty

of Education to take the course, and many from other Faculties signed up for it. Children's literature entered the curriculum in many universities and Alison White was widely consulted by universities both in Canada and in the United States. In 1970 the Department of Comparative Literature asked her to offer a graduate seminar in international literature written for, or read by, children.

Alison White thus played a seminal role in the development of what was, in the 1950s, a new and not particularly highly regarded specialty and she helped to establish standards of excellence in the field. It is therefore most fitting that the Department of English is about to establish the Alison White Award in Children's Literature. It will honor a true pioneer in literary studies.

We hope that many of her friends, both members of the academic staff and students, will make contributions to this award. Donations will be tax-deductible and eligible for matching grants, and may be sent to the Department of English or to the Student Awards Office.\*□

*\*Henry Kreisel, Professor Emeritus, contributed this article to Folio. He will renew acquaintance with Alison White on Friday, 12 May, when she attends the English Department's Salter Tea as guest of honor. The function will get under way at 3 pm in the Salter Reading Room, 3-95 Humanities Centre. Campus friends of Alison White are invited to attend.*

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## Harold J Brodie, 1908 - 1989

It is with sadness that the Department of Botany learned of the passing of one of its former leaders, Harold J Brodie (1907-65, Head of Botany).

Dr Brodie, a graduate of the University of Manitoba, received his PhD in mycology from the University of Michigan (Ann Arbor) in 1934 where he was a Necomb Fellow. Following a two-year term as a lecturer at MacDonald College, McGill, he rejoined his alma mater. In 1946, he was appointed Assistant Professor of Botany at Indiana University. Before joining the University of Alberta as Professor and Head of Botany in 1957, he was a Guggenheim Fellow at Rothamsted, UK.

Dr Brodie was a world expert on the Bird's Nest Fungi (*Nidulariaceae*) for which he received many accolades and awards, including the George Lawson Medal in 1976 for his book on that subject.

An active member of the University community, Dr. Brodie was well known as the original science correspondent for CKUA during its initial years. Dr Brodie played an important role in the establishment of the Devonian Botanic Garden, as well as being involved in community awareness

of the environment well ahead of the times (establishment of Elk Island Park amongst others).

After retiring in 1970, he continued his highly productive career, being as active in retirement as ever.

The Department of Botany expresses its regrets to the Brodie family and his many friends, and acknowledges the passing of a scholar and a gentleman.□

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## Eric J Hanson Memorial lecturer to consider 'The Political Economy of Economic Advice'

Clifford Walsh, Director of the Centre for Research on Federal Financial Relations (CRFFR), Australian National University, will present the third Eric J Hanson Memorial Lecture.

The lecture—"The Political Economy of Economic Advice"—is sponsored by the Department of Economics. It will take place on 18 May, 3 pm, in the Stollery Executive Centre, Business Building.

A graduate of the London School of Economics, Dr Walsh has been director of CRFFR since June 1988. He was Professor of Economics, University of Adelaide from 1980-88, and Chair of that institution's Department of Economics in 1980-81 and in 1984-85.

In the years 1981-83, Dr Walsh was principal economic adviser to Prime Minister Malcolm Fraser on all policy issues, in particular, budget strategy, monetary policy and

exchange rate policy, wages policy, taxation policy, and international trade policy.

His forthcoming book, *Budgetary Stress: The South Australian Experience*, examines State government problems and priorities in an era of fiscal restraint.

Dr Walsh is affiliated with the Economics Society of Australia, the American Economic Association, the Royal Economic Society and the Institute of Public Affairs.□

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## Coutts appointed external examiner in pharmaceutical chemistry at National University of Singapore

Ronald Coutts, University Professor of Pharmacy and Pharmaceutical Sciences, has been appointed External Examiner in Pharmaceutical Chemistry for the National University of Singapore's Department of Pharmacy, Faculty of Science, for 1989 and 1990.

Dr Coutts was in Singapore from 27 March to 7 April to mark examination papers, and orally examine candidates for the final professional examination for the degree of BSc (Pharmacy), and for the degree of BSc (Pharmacy) with Honors. He also presented a seminar titled "Selected Topics in Drug Metabolism and Analysis in Humans" at the National University of Singapore, and talked to the Pharmaceutical Society of Singapore on the subject "Comments on Canada and Canadian Pharmacy".

He also had discussions with staff of the Institute of Molecular and Cell Biology and the Department of Pharmacology, Faculty of Medicine at the

university, and was a guest of the Department of Scientific Services of Singapore which conducts environmental, drug, forensic and toxicological analysis for the city. □

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## EVENTS



### Talks

#### Animal Science

5 May, 3 pm Ramsoondar Jagdece, "Immunological Aspects of Early Pregnancy." 1-13 Agriculture-Forestry Centre.  
12 May, 3 pm Jacob Ole, "The Effect of Environmental Temperature on Rumen Motility." 1-13 Agriculture-Forestry Centre.  
19 May, 3 pm Andrew Pharazyn, "A Review of Factors Affecting Embryo Development and Embryo Survival in Swine." 1-13 Agriculture-Forestry Centre.

#### Geography

5 May, 3 pm John Current, Faculty of Management Science, Ohio State University, "The Median Tour Problem." 3-36 Tory Building.

#### Chemistry

8 May, 11 am Richard FW Bader, Department of Chemistry, McMaster University, "Quantum Mechanics Predicts Atoms in Molecules." V-107 Physics Building.  
9 May, 11 am Professor Bader, "A Theory of Molecular Structure and Structural Stability." V-107 Physics Building.  
10 May, 11 am Professor Bader, "The Physical Basis of the Lewis Electron Pair Model." V-107 Physics Building.

#### Rehabilitation Medicine

8 May, 12:30 pm Steven Wolf, Centre for Rehabilitation Medicine, Emory University, Atlanta, Georgia, "New Approaches to Conditioning the Nervous System: Implications for Rehabilitation." 203 Corbett Hall.

#### Economics

8 May, 3 pm E Cardia, University of Montreal, "Crowding Out in Open Economics: Empirical Evidence." 8-22 Tory Building.  
9 May, 3 pm S Ambler, University of Quebec at Montreal, "Optimal Disinflation in Semi-Industrialized Economies." 8-22 Tory Building.

#### Linguistics

8 May, 4 pm John Ohala, professor of Linguistics, University of California, Berkeley, "The Integration of Physics, Psychology, and Ethology into Linguistics." 4-9 Business Building.  
9 May, 10 am Dr Ohala, "Some Informal Remarks on Formalism in Phonology." 4-02 Assiniboia Hall.

#### Biochemistry

9 May, 4 pm Charles Holmes, National Research Council of Canada, Biotechnology Research Institute, Montreal, "The Role of Protein Phosphatases in Eucaryotic Cellular Regulation." 2-27 Medical Sciences Building.

#### Physics

10 May, 3:30 pm J Mahanty, Australian National University, "A Multi-Component Plasma Model of a High Tc Superconductor." 631 Physics Building.

#### Chemistry Graduate Students

15 May, 11 am James K Whitesell, University of Texas, Austin, "New Methods for Stereochemical Control." V-107 V-Wing.  
15 May, 5 pm Dr Whitesell, "Chirality and Optical Switches." V-107 V-Wing.

#### Alberta Heritage Foundation for Medical Research

15 May, noon Graham Carpenter, professor of Biochemistry, School of Medicine, Vanderbilt University, Nashville, Tennessee, "A Second Messenger System Activated by Epidermal Growth Factor." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

#### Techniques in Cell and Molecular Biology Seminar Series

17 May, noon Chris Upton, "In Vitro Mutagenesis and Computer Analysis of DNA and Protein Sequences." Presented by Anatomy and Cell Biology. 6-28 Medical Sciences Building.

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### The Arts

#### Exhibitions

##### FAB Gallery

Until 7 May "4th Annual IDEAS

Exhibition" — a collection of work produced in the Industrial Design program this year.

##### McMullen Gallery

Until 23 May "The Mothers' Touch." for gallery hours: 492-4211 or 492-8428.

##### Bruce Peel Special Collections

Until 14 June "thought prints" — an investigation of the form and content of language on the printed page. First collaborative exhibition by students in Visual Communications Design, Art and Design, and Special Collections. Hours: 8:30 am to 4:30 pm; Monday to Friday. 492-5998. B-7 Rutherford South.

##### Studio Theatre

4 to 13 May. "Good." 492-2495.

##### The Myer Horowitz Theatre

10 May, 7 pm Alumni Ensemble of the Philippine Madrigal Singers. Tickets and information: 487-7587 or 420-1961.

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### Positions

*The University of Alberta is committed to the principle of equity in employment.*

*In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.*

#### Assistant Business Librarian, Humanities and Social Sciences Library

The University of Alberta Libraries invites applications for the position of Assistant Business Librarian, Humanities and Social Sciences Library. Reporting to the Business and Economics Librarian, this position provides reference and information services for all subject areas of business administration and has collection development responsibilities in assigned areas of business administration. Other duties include computer searching, liaison with faculty, and bibliographic instruction.

This is a full-time contract position; depending on the availability of funds, the position may become permanent. The current salary range is \$27,144 to \$47,544. Individuals interested in a job-sharing arrangement will be considered. The successful candidate will have an accredited degree in library science; an undergraduate subject specialty in business and/or previous business reference experience is preferred. Knowledge of PC applications in libraries and online searching an asset.

Candidates should send a curriculum vitae, transcripts of academic record and the names of three references by 19 May 1989 to: Deborah Bloomfield Dancik, Library Personnel, Cameron Library, University of Alberta, Edmonton, Alberta T6G 2J8.

#### Chair, Department of Athletics

Nominations and applications are invited for the position of Chair of the

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## Industrial and Vocational Education hosting McGill's Janet Donald

Janet Donald, distinguished visitor to the Department of Industrial and Vocational Education, will give a series of lectures beginning 12 May.

Dr Donald, professor and director of the Centre for Teaching and Learning at McGill University, will speak on: "Student learning on a university campus" (12 May, 12:15 pm, 4-110C Education North); "Cognition and instruction" (15 May, 2:30 pm, 129 Education South); "University teaching and the process of learning" (17 May, 2:30 pm, 129 Education South); and "Professors' validation processes for the improvement of teaching" (18 May, 2:30 pm, 129 Education South).

Abe Konrad, 492-3679, is coordinating Dr Donald's visit. □



Department of Athletics. The appointment, effective 1 July 1989, is normally for a five-year term.

The Chair is responsible to the Dean of the Faculty of Physical Education and Recreation for the supervision and administration of the athletic and fitness/lifestyle programs, grants, corporate sponsorship and other related activities of the Department. Candidates should have appropriate administrative experience, public relations and advocacy skills.

Nominations and applications should be accompanied by a detailed *curriculum vitae* and letters from three referees. The closure date for submissions is 12 May 1989.

Submit to: RG Glassford, Dean, Faculty of Physical Education and Recreation, W1-34 Van Vliet Centre, University of Alberta, Edmonton, Alberta T6G 2H9.

### **Administrative Professional Officer, Department of Technical Services, (Position of Assistant Director)**

Reporting to the Director, the Assistant Director will have specific responsibilities for four Divisions: Audio Visual Services, Graphic Design and Illustration Services, Photo Services and Television Services. The Assistant Director will assist in the general administration and supervision of the Department and will be responsible for developing and maintaining a public relations program for the Department.

Closing date for applications: 19 May 1989. Applications should be sent to: WH Jopling, Director of Technical Services, Art Workshop 1, University of Alberta, Edmonton, Alberta T6G 2R5.

### **Support Staff**

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 28 April. For a more up-to-date listing, please consult the weekly *Employment Opportunities Bulletin* and/or the postings in *PSSR*. Positions available as of 28 April 1989.

**The salary rates for the following positions reflect adjustments in accordance with the terms for the implementation of the Pay Equity Program, effective 1 April 1989 for those positions in the "green-circled" and "white-circled" categories.**

Clerk Steno, Grade 5, Faculty of Extension (Local Government Studies) (\$1,564-\$2,087)  
Clerk Steno, Grade 5, Faculty of Pharmacy and Pharmaceutical Sciences, (\$1,564-\$2,087)  
Clerk Steno, Grade 5, Rural Economy, (\$1,564-\$2,087)  
Secretary, Grade 5, Animal Science, (\$1,682-\$2,087)  
Secretary, Grade 5, English, (\$1,682-\$2,087)  
Administrative Clerk, Grade 6, Office of Student Awards, (\$1,741-\$2,298)  
Secretary, Grade 6, Faculty of Medicine, (\$1,806-\$2,298)  
Scheduling Clerk, Grade 7, Office of the Registrar, (\$2,008-\$2,516)  
Technician, Grade 7, Clothing and Textiles, (\$2,008-\$2,516)

Civil Engineering Technician, Grade 9, Civil Engineering, (\$2,346-\$2,976)  
Administrative Assistant, Grade 9, (Residence Life Coordinator), Housing and Food Services, (\$2,225-\$2,976)  
Technician, Grade 10, Geology, (\$2,527-\$3,223)  
Programmer Analyst, Grade 10, Computing Science, (\$2,527-\$3,223)

**The following positions retain salary rates in accordance with the current classification system and pay plan.**

Clerk/Clerk Typist II (Part-time/Trust), Pediatrics, (\$679-\$905) (prorated)  
Clerk Steno II, Legal Resource Centre, (\$1,276-\$1,785)  
Clerk Steno III (Part-time/Trust), Faculty of Business, (Accounting), (\$812-\$1,020), (prorated)  
Clerk Steno III (Term to 6 November 1990), Faculty of Extension, (\$1,421-\$1,785)  
Clerk Steno III (Trust), Academic Staff Association (AAS:UA), (\$1,421-\$1,785)  
Clerk Steno III (Trust), Canadian Institute of Ukrainian Studies, (\$1,421-\$1,785)  
Library Clerk III (Part-time), Library - Acquisitions, (\$812-\$1,020) (prorated)  
Secretary (Trust), Faculty of Medicine, (\$1,584-\$2,023)  
Medical Steno (Trust), Pediatrics, (\$1,584-\$2,023)  
Technician I/II (Trust), Pediatrics, (\$1,643-\$2,397)  
Laboratory Technologist I (Term), Provincial Laboratory, (\$2,023-\$2,611)  
Technologist I/II (Trust), Pathology, (\$2,023-\$2,851)  
Public Relations/Publications Assistant III (Editorial Assistant), Office of Public Affairs, (\$2,200-\$2,851)  
Programmer Analyst II, Computing Science, (\$2,397-\$3,113)  
For vacant Library positions, telephone 492-3790.

## **Advertisements**

### **Accommodations available**

Victoria properties - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call collect (604) 592-3666, Lois Dutton, Wessex Realty, Victoria, BC.

Rent - Old Glenora. Wellington Crescent. Two storey, three bedroom, furnished. References, please. No smokers or pets. 1989-90 academic year. Ray McKall, 421-9900 (office), 455-4619 (home).

Sale - Prestigious, Grandview, spacious, four-level split. Half block from ravine, beautifully landscaped, bright sunny rooms, two baths. Main floor family room. Huge master. Call Sherry Mailo, Re/Max, 438-7000.

Rent - August for one year, fully-furnished, four-bedroom, study, Aspen Gardens split-level. Near schools, sport facilities, shopping. Bus, bike path to University. Fireplace, sundeck. \$900. 492-2335 or 436-8808.

Rent - Lansdowne, four-bedroom, furnished home. Fireplace, double garage, swimming pool, jacuzzi. September 1989-August 1990. 492-3516, 434-3116.

Rent - Available 1 August. Historic, four-bedroom house, near campus. Fireplace, panelled dining room, large living room with wooden columns, well-treed lot. \$975/month, (renewable lease). \$800 DD. 433-2904.

Sale - Gracious, two-storey, four-bedroom home. 2,200' plus 600' basement development. Ravine/cul-de-sac location. Park-like lot in prestigious Quesnell Heights. 486-2297.

Sale - Lakefront, \$79,900. Gardener's Cove, Wabamun. 1,166 sq ft, four-bedroom, heated cottage. Boat house. Guest house. Property 120'x250'. Great package. Joy E Murray, NRS Realty Centre, 438-6111.

Rent - Grandview, executive house, semi-furnished if desired, plant area, hot tub. 437-6641.

Rent - July and August. Two-bedroom, fully-furnished home. Belgravia. \$600/month. 436-5119, 492-5772.

Sale - Riverbend. Near river. Executive, 3,000 sq ft home. Huge kitchen with solarium, four bedrooms with main floor den. South backyard. Ann Dawrant, Spencer Realty, 436-5250.

Rent - Old Strathcona. Restored, 2,200 sq ft home. Furnished, three bedrooms, nursery/study, family room, garage. No smokers/pets. July 1989-August 1990. Asking \$900/month and utilities. 492-5383, 433-0625.

Sale - Lakefront. Wabamun north shore. Furnished cottage with terrific view. Very private beach. Chris Tenove, 433-5664, 436-5250. Spencer Realty.

Sale - \$56,500. Well-built cottage. By Wabamun Sailing Club. Indoor plumbing. Sauna. Chris Tenove, 433-5664, 436-5250. Spencer Realty.

Sale - \$39,500. University area. Two-bedroom condominium. Hardwood floors, large landscaped grounds. Chris Tenove, 433-5664, 436-5250. Spencer Realty.

Sale - Blue Quill bungalow. Three bedrooms, family room, developed basement. Mature garden, double garage. Phone 437-7509 for appointment.

Rent - Large, four-bedroom, executive house. Fully furnished, 3 1/2 baths, many extras, close to University. July 1989-June 1990 (negotiable). Dr Siddiqui, 434-6127 (evenings, weekends).

Rent - Groat Estates. Renovated, charming home. Three bathrooms, four bedrooms, 2,500', finished basement. Furniture negotiable. \$1,350/month. Western Relocation, 438-1044.

Sale - Riverbend, cul-de-sac, Clarendon. Four-level split. Fireplaces, large deck. Private, treed, south exposure. Berber rugs, tile kitchen, front entrance, 14711 59 Ave. 437-3862, owner.

Rent - Quiet Mill Creek location. Four bedrooms, two baths, fireplace, five appliances, fenced yard, deck, garage. No pets, non-smokers. \$900/month, 1 July. 465-7535, 425-4680.

Sale - Bungalow, walking distance to University. Hardwood floors, legal suite, must be seen to be appreciated. Six appliances. To view, call Janice Duke, Royal LePage Realty, 437-7480.

Rent - Two-bedroom, basement suite. Hardwood floor, washer, dryer, fridge, stove. Walking distance to University. \$375. 437-7480. Janice Duke, Royal LePage Realty.

Sale - Lansdowne. Charming, open beam bungalow backing onto University Farm. Fireplace, hardwood floor in living room, three-piece

ensuite off master bedroom, oak kitchen cupboards. Ann Dawrant, Spencer Realty, 436-5250.

Sale - University/Belgravia area. Nice, four-bedroom semi, hardwood, many upgraded features. \$106,500. Ed Lastiwka, Royal LePage Realty, 437-7480, 437-4984.

### **Accommodations wanted**

Just sold our home in Grandview. Must stay in neighborhood. Will buy or rent. 436-4416.

Mature, female student looking for same in roommate. Prefer ACOA and non-smoker. 492-5677, 433-5657 res. Marilyn.

Rent - Architect's family requires four-bedroom house, near University, August 1989 for one-two years. 439-1872 after 6 pm.

Grad student seeking inexpensive country living or will house-sit. 1 June-30 September. 469-8915.

### **Automobiles and others**

1976 Dodge Aspen. Automatic, 82,000 miles. Must sell, moving. \$800 obo. 439-8380.

### **Goods for sale**

Cash paid for appliances. 432-0272.

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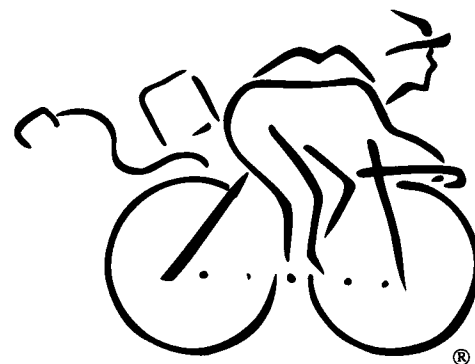
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Garneau Tennis Club, 10943 84 Ave. 433-1806. Open house. Opening day, Round Robin and barbeque, Saturday, 6 May, noon-6 pm. Everyone welcome, free admission.

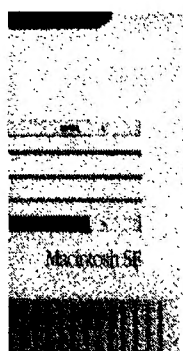
Pulp Mills and the Environment. A public meeting presented by Friends of the North, Thursday, 18 May, at 7:30 pm. Knox-Metropolitan United Church, 8307 109 St. Knowledgeable speakers including Mel Hurtig.

# The Apple Canada Rebate Program

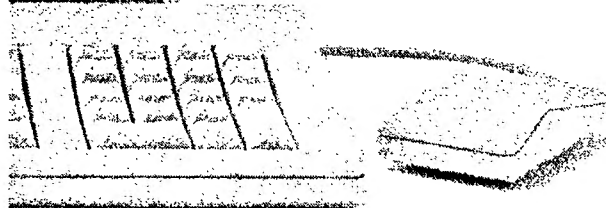


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*Details: Buy a Mac and peripherals between March 1st and May 31st, and ask the Bookstore for a rebate coupon. Mail in your receipt along with the completed coupon, and a cheque will be mailed to you, direct from Apple Canada. You can only apply for one of these rebates per CPU purchased. No stand-alone peripherals will be rebated. University and Personal purchases qualify. This offer is in effect March 1/89 through May 31/89.*

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**75th ANNIVERSARY  
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FOR FURTHER INFORMATION CONTACT:

DEPARTMENT OF PATHOLOGY  
FACULTY OF MEDICINE  
492-2251

**75th Anniversary  
Faculty of Medicine  
Distinguished Scientist Award to**

**Joseph B. Martin**  
M.D., Ph.D., F.R.C.P.(C)  
Julianne Dorn Professor of Neurology  
Harvard Medical School

*"The Impact of Molecular Genetics  
on Neurology and Psychiatry"*

3:30 p.m. Wednesday, May 10th, 1989  
Bernard Snell Hall

Walter Mackenzie Health Sciences Centre

In its 75th anniversary year, the Faculty of Medicine is honoring  
Dr. Joseph B. Martin, one of its most distinguished graduates,  
for his outstanding contributions to medical science.

Refreshments will be served following the presentation

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Telephone: (403) 492-5291  
FAX: (403) 492-4924

Dean T.J. Christian  
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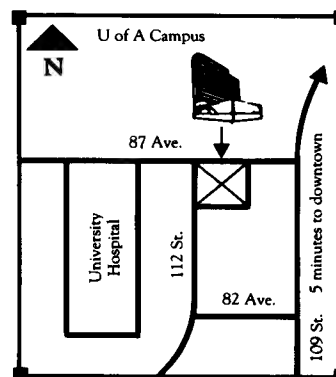
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